

Title (en)

Process for the preparation of 1,8-bridged 4-quinolone-3-carboxylic acids.

Title (de)

Verfahren zur Herstellung von 1,8-verbrückten 4-Chinolon-3-carbonsäuren.

Title (fr)

Procédé pour la préparation d'acides quinolone-4 carboxyliques-3 pontés entre les positions 1,8.

Publication

EP 0206101 A1 19861230 (DE)

Application

EP 86107908 A 19860610

Priority

DE 3522406 A 19850622

Abstract (en)

[origin: ES8801210A1] A process for the preparation of a 1,8-bridged 4-quinolone-3-carboxylic acid of the formula < IMAGE > wherein the substituents are defined hereinbelow. Some of the compound are new. The old and new compounds are antibacterials and promote animal growth.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Herstellung von 1,8-verbrückten 4-Chinolon-3-carbonsäuren, deren Zwischenprodukte sowie ihre Verwendung als Arzneimittel, insbesondere als antibakterielle Mittel in der Human- und Veterinärmedizin.

IPC 1-7

C07D 498/06; **C07D 471/06**; **C07D 215/56**; **C07C 101/34**; **C07C 121/76**; **A61K 31/535**; **A61K 31/495**

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CPC (source: EP KR US)

A61P 31/04 (2017.12 - EP); **C07D 215/56** (2013.01 - EP US); **C07D 471/06** (2013.01 - EP US); **C07D 487/06** (2013.01 - KR)

Citation (search report)

- [X] EP 0047005 B1 19841114 - DAIICHI SEIYAKU CO [JP]
- [X] US 4499270 A 19850212 - GERSTER JOHN F [US]
- [X] CH 555339 A 19741031 - SUMITOMO CHEMICAL CO
- [A] DE 3106013 A1 19820909 - KYORIN SEIYAKU KK [JP]
- [A] DD 62321 A
- [AP] EP 0163107 A1 19851204 - HENKEL KGAA [DE]
- [X] PATENT ABSTRACTS OF JAPAN, unexamined applications, Sektion C, Vol. 7, Nr. 34, 10 Feber 1983 THE PATENT OFFICE JAPANESE GOVERNMENT Seite 140 C 150 & JP-A 57 188 592 (DAIICHI SEIYAKU), SIEHE FORMEL II
- [A] PATENT ABSTRACTS OF JAPAN, unexamined applications, Sektion C, Vol. 7, Nr. 53, 3 März 1983 THE PATENT OFFICE JAPANESE GOVERNMENT Seite 131 C 154 & JP-A 57 203 085 (DAIICHI SEIYAKU)

Cited by

US5290934A; WO8906649A2; EP0565132A3; FR2630441A1; BE1003252A4; EP0287951A3; US5495020A; US5563138A; US5591744A; US5723648A; US5811576A; EP0823413A3

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DOCDB simple family (application)

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